

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/797,302
Source: IFW5
Date Processed by STIC: 10/22/04

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,302

DATE: 10/22/2004

TIME: 13:09:16

Input Set : A:\25669-019.ST25.txt
Output Set: N:\CRF4\10222004\J797302.raw

3 <110> APPLICANT: Smith, Daniel J.
4 Taubman, Martin A.
6 <120> TITLE OF INVENTION: Glycosyltransferase Immunogens
8 <130> FILE REFERENCE: 25669-019
10 <140> CURRENT APPLICATION NUMBER: 10/797,302
11 <141> CURRENT FILING DATE: 2004-03-09
13 <150> PRIOR APPLICATION NUMBER: 09/290,049
14 <151> PRIOR FILING DATE: 1999-04-12
16 <150> PRIOR APPLICATION NUMBER: 60/081,550
17 <151> PRIOR FILING DATE: 1998-04-13
19 <150> PRIOR APPLICATION NUMBER: 60/115,142
20 <151> PRIOR FILING DATE: 1999-01-08
22 <150> PRIOR APPLICATION NUMBER: 10/383,930
23 <151> PRIOR FILING DATE: 2003-03-07
25 <150> PRIOR APPLICATION NUMBER: 60/363,209
26 <151> PRIOR FILING DATE: 2002-03-07
28 <150> PRIOR APPLICATION NUMBER: 60/402,483
29 <151> PRIOR FILING DATE: 2002-08-02
31 <160> NUMBER OF SEQ ID NOS: 21
33 <170> SOFTWARE: PatentIn version 3.2
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 21
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial
40 <220> FEATURE:
41 <223> OTHER INFORMATION: EAW peptide
43 <400> SEQUENCE: 1
45 Ala Asn Asp His Leu Ser Ile Leu Glu Ala Trp Ser Asp Asn Asp Thr
46 1 5 10 15
49 Pro Tyr Leu His Asp
50 20
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 19
55 <212> TYPE: PRT
56 <213> ORGANISM: Artificial
58 <220> FEATURE:
59 <223> OTHER INFORMATION: HDS peptide
61 <400> SEQUENCE: 2
63 Val Pro Ser Tyr Ser Phe Ile Arg Ala His Asp Ser Glu Val Gln Asp
64 1 5 10 15
67 Leu Ile Ala
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 22

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73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: GLB peptide
79 <400> SEQUENCE: 3
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82 1 5 10 15
85 Gly Val Gln Val Lys Gly
86 20
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 15
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial
94 <220> FEATURE:
95 <223> OTHER INFORMATION: MAC peptide
97 <400> SEQUENCE: 4
99 Pro Gln Trp Asn Gly Glu Ser Glu Lys Pro Tyr Asp Asp His Leu
100 1 5 10 15
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 15
105 <212> TYPE: PRT
106 <213> ORGANISM: Streptococcus mutans
108 <400> SEQUENCE: 5
110 Ser Ala Trp Asn Ser Asp Ser Glu Arg Pro Phe Asp Asp His Leu
111 1 5 10 15
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 15
116 <212> TYPE: PRT
117 <213> ORGANISM: Streptococcus mutans
119 <400> SEQUENCE: 6
121 Ser Ala Trp Asn Ser Asp Ser Glu Lys Pro Phe Asp Asp His Leu
122 1 5 10 15
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 15
127 <212> TYPE: PRT
128 <213> ORGANISM: Streptococcus mutans
130 <400> SEQUENCE: 7
132 Pro Asn Trp Asn Ser Gln Thr Glu Ser Asp Thr Ser Ala Gly Glu
133 1 5 10 15
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 15
138 <212> TYPE: PRT
139 <213> ORGANISM: Streptococcus downei
141 <400> SEQUENCE: 8
143 Pro Gln Trp Asn Gly Glu Ser Glu Lys Pro Tyr Asp Asp His Leu
144 1 5 10 15
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 15
149 <212> TYPE: PRT

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Input Set : A:\25669-019.ST25.txt
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150 <213> ORGANISM: Streptococcus sobrinus
152 <400> SEQUENCE: 9
154 Pro Gln Trp Asn Gly Glu Ser Glu Lys Pro Tyr Asp Asp His Leu
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158 <210> SEQ ID NO: 10
159 <211> LENGTH: 21
160 <212> TYPE: PRT
161 <213> ORGANISM: Streptococcus mutans
163 <400> SEQUENCE: 10
165 Ala Asn Asp His Leu Ser Ile Leu Glu Ala Trp Ser Tyr Asn Asp Thr
166 1 5 10 15
169 Pro Tyr Leu His Asp
170 20
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 21
175 <212> TYPE: PRT
176 <213> ORGANISM: Streptococcus mutans
178 <400> SEQUENCE: 11
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181 1 5 10 15
184 Gln Tyr Asn Lys Asp
185 20
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 21
190 <212> TYPE: PRT
191 <213> ORGANISM: Streptococcus downei
193 <400> SEQUENCE: 12
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196 1 5 10 15
199 Pro Tyr Leu His Asp
200 20
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 21
205 <212> TYPE: PRT
206 <213> ORGANISM: Streptococcus downei
208 <400> SEQUENCE: 13
210 Ala Ile Asp His Leu Ser Ile Leu Glu Ala Trp Ser Gly Asn Asp Asn
211 1 5 10 15
214 Asp Tyr Val Lys Gln
215 20
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 21
220 <212> TYPE: PRT
221 <213> ORGANISM: Streptococcus sobrinus
223 <400> SEQUENCE: 14
225 Ala Asn Asn His Val Ser Ile Val Glu Ala Trp Ser Asp Asn Asp Thr
226 1 5 10 15
229 Pro Tyr Leu His Asp
230 20

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Input Set : A:\25669-019.ST25.txt
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233 <210> SEQ ID NO: 15
234 <211> LENGTH: 22
235 <212> TYPE: PRT
236 <213> ORGANISM: Streptococcus mutans
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244 Leu Ile Arg Asn Ile Ile
245 20
248 <210> SEQ ID NO: 16
249 <211> LENGTH: 22
250 <212> TYPE: PRT
251 <213> ORGANISM: Streptococcus mutans
253 <400> SEQUENCE: 16
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256 1 5 10 15
259 Val Ile Ala Lys Ile Ile
260 20
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 22
265 <212> TYPE: PRT
266 <213> ORGANISM: Streptococcus downei
268 <400> SEQUENCE: 17
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271 1 5 10 15
274 Leu Ile Arg Asp Ile Ile
275 20
278 <210> SEQ ID NO: 18
279 <211> LENGTH: 22
280 <212> TYPE: PRT
281 <213> ORGANISM: Streptococcus downei
283 <400> SEQUENCE: 18
285 Val Pro Asn Tyr Val Phe Ile Arg Ala His Asp Ser Glu Val Gln Thr
286 1 5 10 15
289 Arg Ile Ala Lys Ile Ile
290 20
293 <210> SEQ ID NO: 19
294 <211> LENGTH: 22
295 <212> TYPE: PRT
296 <213> ORGANISM: Streptococcus sobrinus
298 <400> SEQUENCE: 19
300 Val Pro Ser Tyr Ser Phe Ala Arg Ala His Asp Ser Glu Val Gln Asp
301 1 5 10 15
304 Ile Ile Arg Asp Ile Ile
305 20
308 <210> SEQ ID NO: 20
309 <211> LENGTH: 19
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial

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313 <220> FEATURE:
314 <223> OTHER INFORMATION: DGQ peptide
316 <400> SEQUENCE: 20
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319 1 5 10 15
322 Lys Phe Val
326 <210> SEQ ID NO: 21
327 <211> LENGTH: 4
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Terminus spacer
334 <400> SEQUENCE: 21
336 Cys Ala Gly Ala
337 1

RAW SEQUENCE LISTING ERROR SUMMARY
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,20,21

VERIFICATION SUMMARY

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